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صينا، صو، ابي، 2^2، با، صو، نصير، A

$z=1 \rightarrow (1,1) \rightarrow r^{A+B} = 1 \rightarrow A+B=0$ (1)

$z=2 \rightarrow (2,9) \rightarrow r^{4A+B} = 9 \rightarrow 4A+B=2 \rightarrow A=1, B=-1$ (2)

$\rightarrow f(z) = r^{z-1} \rightarrow f(z) = r^{z-1} \cdot \frac{1}{r}$

$\frac{dy}{y} (2z+1) \cdot 2 \cdot r^z \rightarrow r^{2z} + 1 \cdot \omega = r^{2z+2} \xrightarrow{r^2 = t} t^2 + 1 = 2t$ (3)

$t^2 - 2t + 1 = 0 \rightarrow t = r^2 = r \rightarrow z = \frac{dy}{y}$
 $\hookrightarrow t = r^2 = \omega \Rightarrow z = \frac{dy}{y}$ تجمع حاد مع $\frac{dy}{y}$ (5)

$(\frac{dy}{y})^r + \frac{dy}{y} \times \frac{dy}{y} = (\frac{dy}{y})^r + (1 + \frac{dy}{y}) (r + \frac{dy}{y})$ (4)

$\frac{dy}{y} = \frac{dy}{y} \quad \frac{dy}{y} + \frac{dy}{y} \quad \frac{dy}{y} = \frac{dy}{y} - \frac{dy}{y}$ (6)

$\rightarrow (\frac{dy}{y})^r + (r - \frac{dy}{y})(r + \frac{dy}{y}) = (\frac{dy}{y})^r + r - (\frac{dy}{y})^r \cdot r$

$\frac{dy}{y} (2^r - r^2 + 1) + r \frac{dy}{y} (1-r) = \frac{dy}{y} (1-r) + r \frac{dy}{y} (1-r) = \omega$ (7)

$\rightarrow \omega \frac{dy}{y} (1-r) = \omega \rightarrow \frac{dy}{y} (1-r) = 1 \rightarrow r = -9$

$\frac{dy}{y} + 9 = \frac{dy}{y}$

$$\log_{\sqrt{2}}(2^x + 2 + 1)(2-x) = x \rightarrow (2^x + 2 + 1)(2-x) \leq \Delta \rightarrow 2^x - 1 \leq \Delta \quad -\omega$$

$$2^x = 14 \rightarrow 2 = \sqrt[14]{14} = \sqrt[14]{2^7} \Rightarrow \log_{\sqrt[14]{2}} 2 = \sqrt[14]{7} \quad (5)$$

$$\log(1-x) - \log(x-2)^{-x} = \log \frac{1-x}{(x-2)^{-x}} = x \quad (2-x)^x \leq (x-2)^x \quad (14)$$

$$1 \cdot \log_{\sqrt[10]{2}}(x-2) = \frac{1}{10} \rightarrow x-2 = 10 \rightarrow x = 12 \rightarrow \log_{\sqrt[10]{2}} 12 = \frac{1}{10} \quad (5)$$

$$x^{2x-2} \leq \Delta \rightarrow x^{2x-2} = 2^x \rightarrow 2^x - 2^x - 2 = 0 \rightarrow 2 = 2 \pm \sqrt{4}$$

تغییر متغیر تبدیل کنید در صورتی که ممکن نباشد:

$$\log_{\sqrt[4]{2}} 4 = \frac{1}{2} \quad (5)$$

$$\log_{\sqrt[12]{2}} 2 = \frac{\log 2}{\log \sqrt[12]{2}} = \frac{x}{\frac{1}{12} \log 2} = \frac{12x}{\log 2} = \frac{12}{12} = 1 \quad (5)$$

$$\log_{\sqrt[12]{2}} 4 = \frac{\log 4}{\log \sqrt[12]{2}} = \frac{1 + \log 2}{\frac{1}{12} \log 2} = \frac{12(1 + \log 2)}{\log 2} = \frac{12}{12} = 1 \quad (5)$$

$$2 = -1 \rightarrow a \log 2 - a + b \log 2 = a - a \log 2 = b \log 2 \quad (11)$$

$$\rightarrow a(1 - \log 2) = b \log 2 \rightarrow \frac{b}{a} = \frac{1 - \log 2}{\log 2} = \log_2 2$$

$$\log_2 2 = 1 \rightarrow (2^1)^1 = 2 \log_2 2 = \sqrt{2} \quad (5)$$